

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P179403

Luminaire Tested: **UTLD-F03-LED-E-U-T4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179403
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34331)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-T4-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3631 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

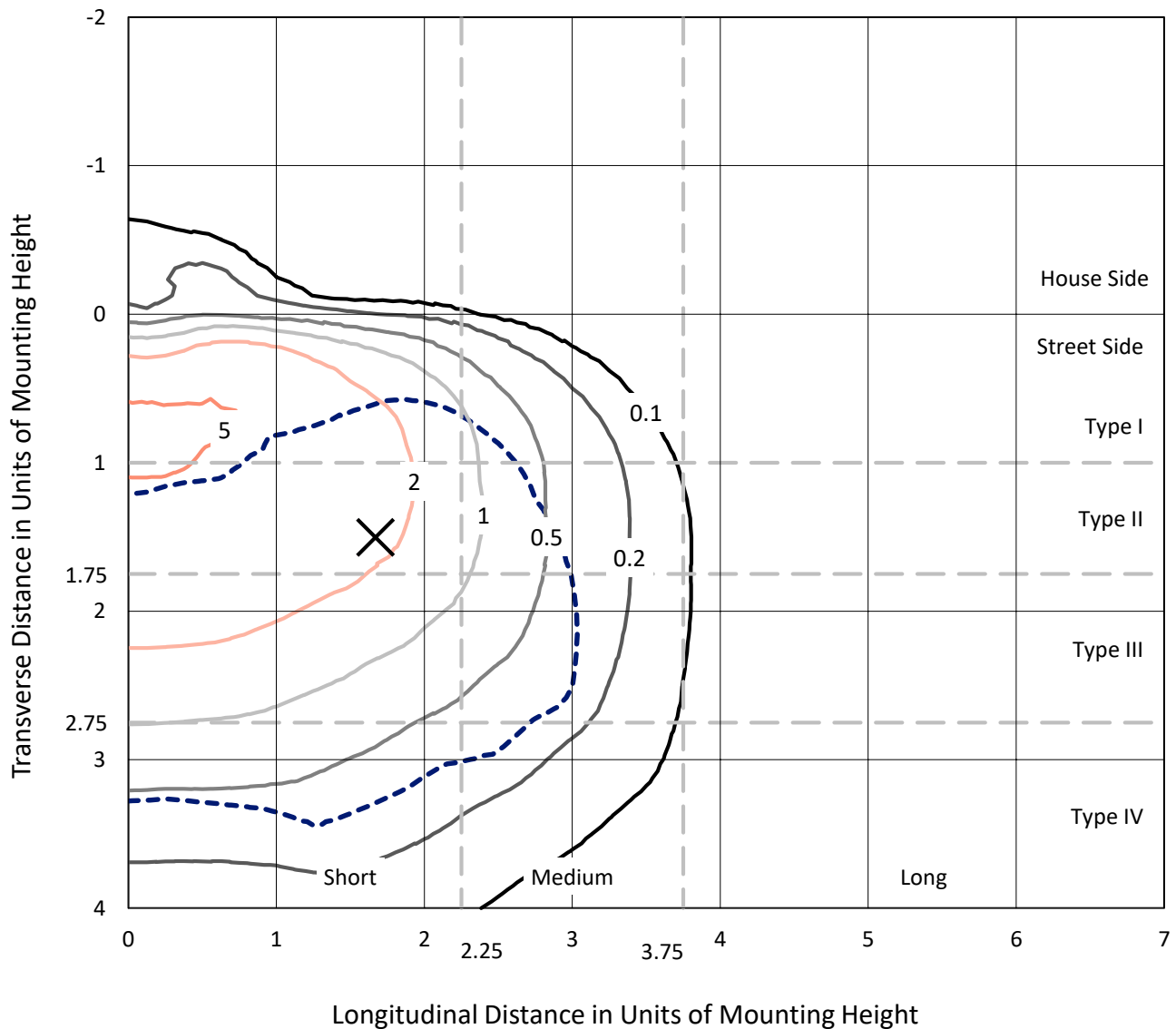


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

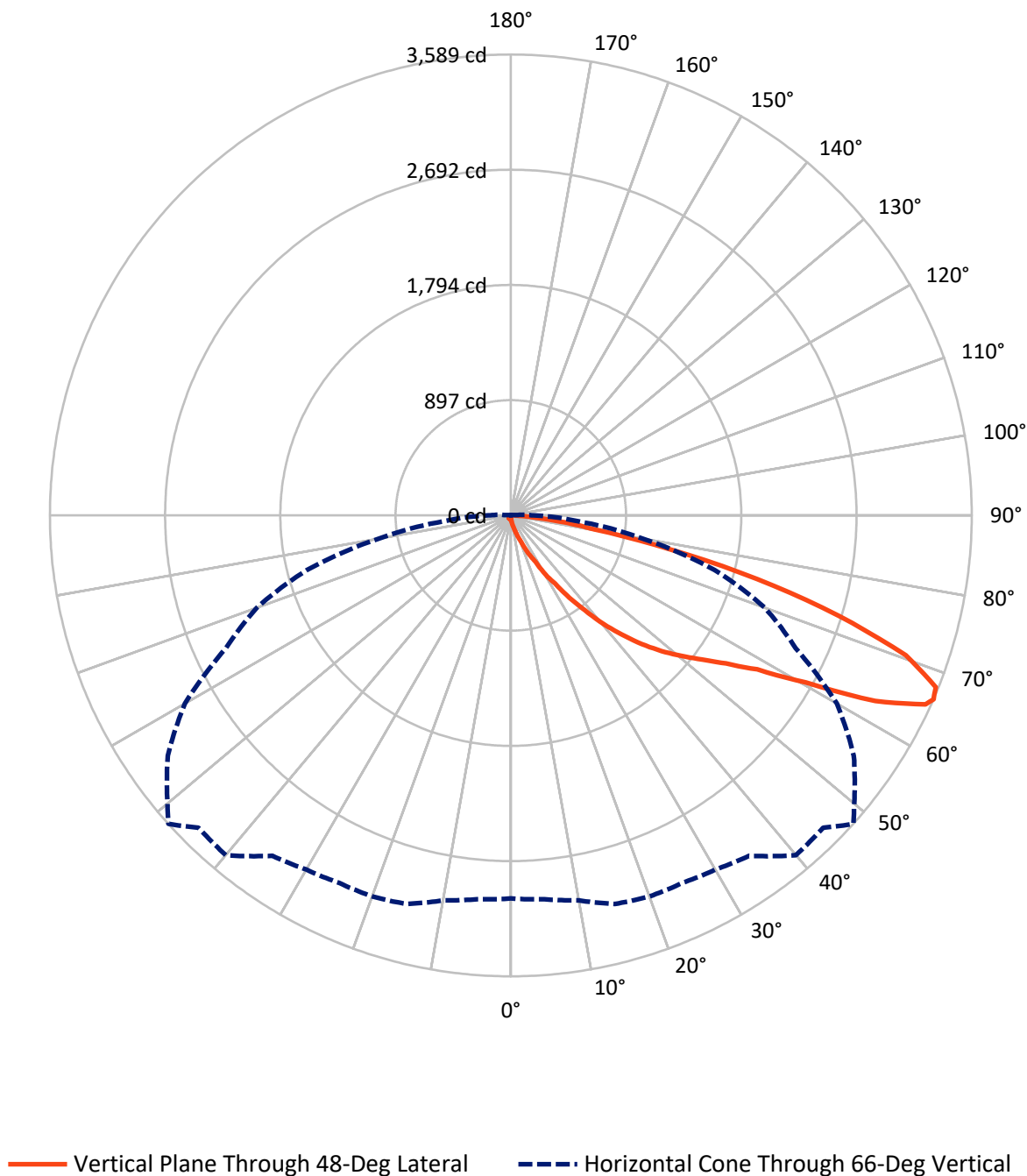


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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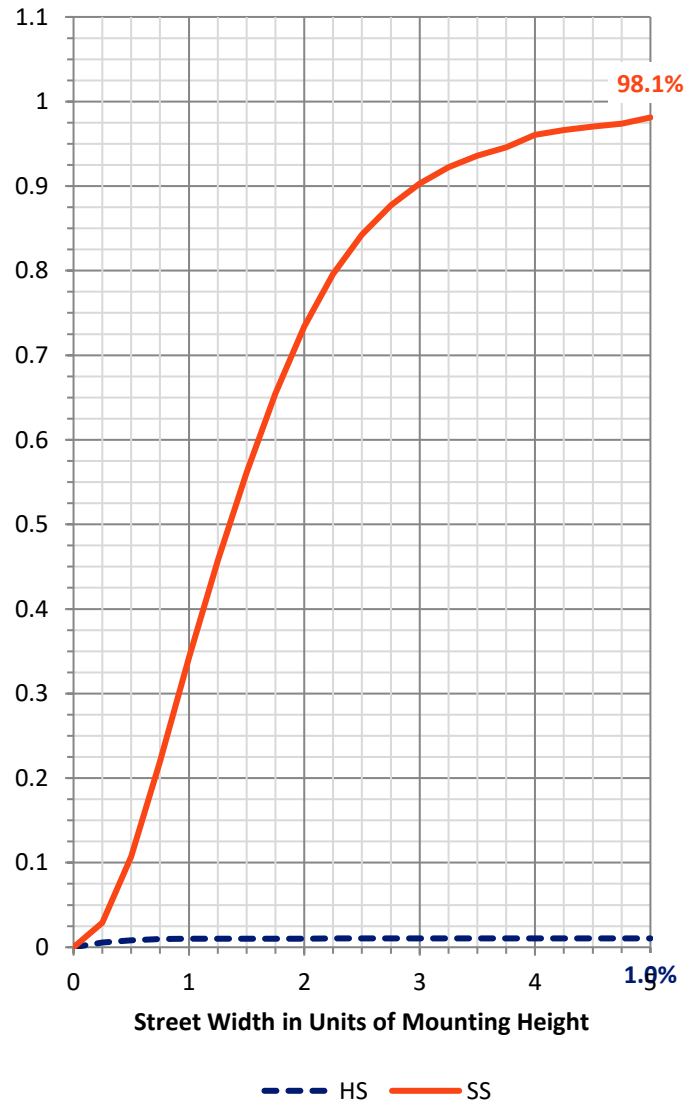
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.9	0.0	38.9
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	3592.1	0.0	3592.1
	% Fixture	98.9	0.0	98.9
Total	Lumens	3631.0	0.0	3631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	22.6	0.6
20°-30°	86.3	2.4
30°-40°	241.6	6.7
40°-50°	469.0	12.9
50°-60°	768.6	21.2
60°-70°	1252.8	34.5
70°-80°	706.0	19.4
80°-90°	80.8	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3631.0	100.0
0°-180°	3631.0	100.0

Coefficient of Utilization



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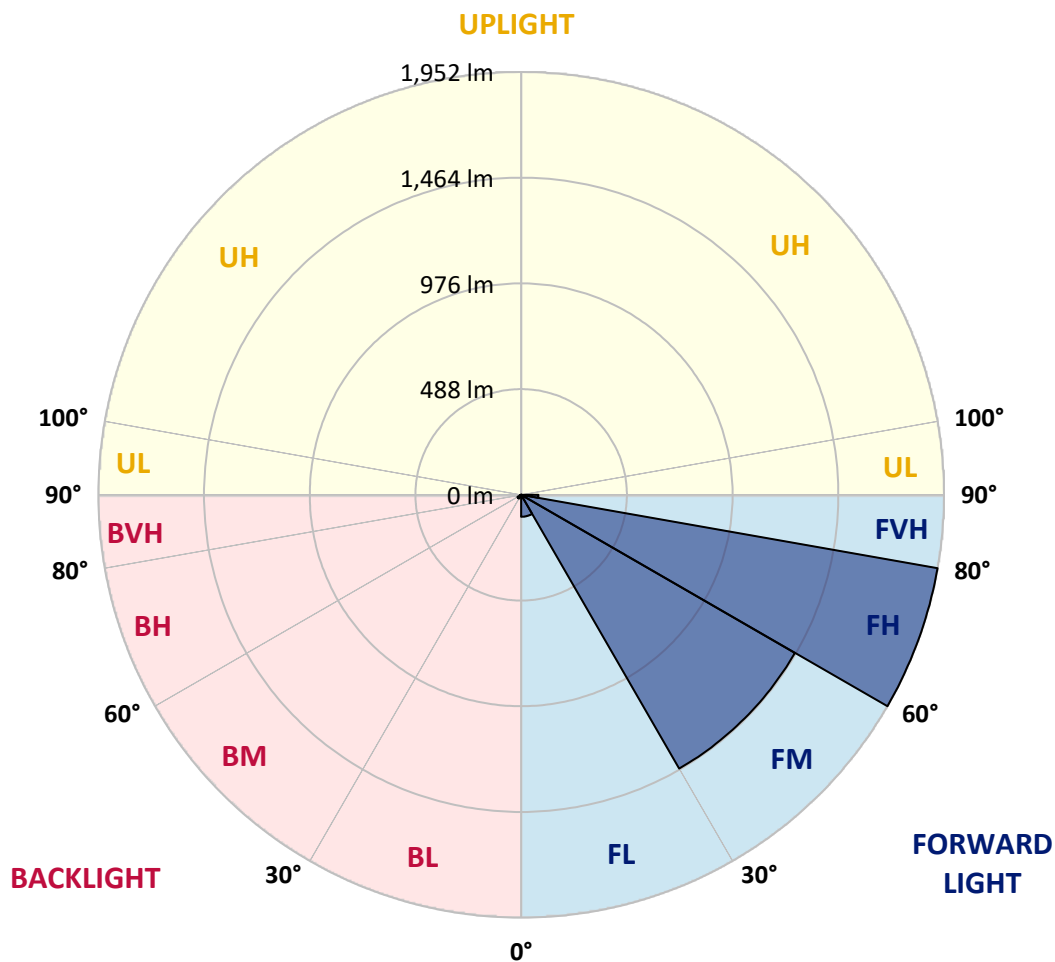
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	101.6	2.8			
FM	(30°-60°)	1459.2	40.2			
FH	(60°-80°)	1951.9	53.8			G2/5000
FVH	(80°-90°)	79.4	2.2			G1/100
BL	(0°-30°)	10.6	0.3	B0/110		
BM	(30°-60°)	20.0	0.6	B0/220		
BH	(60°-80°)	6.9	0.2	B0/110		G0/110
BVH	(80°-90°)	1.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
2.5°	36.6	36.6	36.6	36.6	35.5	34.5	34.5	33.4	33.4	33.4	33.4
5°	53.3	53.3	50.2	49.1	47.0	46.0	43.9	42.8	41.8	39.7	39.7
7.5°	84.7	83.6	83.6	82.6	81.5	79.4	76.3	74.2	71.1	54.3	50.2
10°	107.6	108.7	106.6	105.6	99.3	96.1	92.0	87.8	86.7	79.4	75.2
12.5°	148.4	149.4	147.4	146.3	142.1	139.0	131.7	126.5	105.6	97.2	96.1
15°	212.2	212.2	201.7	180.8	174.5	167.2	155.7	153.6	154.7	141.1	123.3
17.5°	247.7	248.7	245.6	240.4	234.1	226.8	219.5	194.4	180.8	169.3	164.1
20°	337.6	337.6	331.3	320.8	283.2	268.6	267.5	255.0	245.6	216.3	204.8
22.5°	389.8	395.0	387.7	380.4	367.9	372.1	354.3	301.0	302.0	274.9	264.4
25°	512.1	513.1	501.6	493.3	489.1	426.4	409.7	418.0	385.6	351.2	342.8
27.5°	637.5	644.8	575.9	560.2	560.2	546.6	552.9	493.3	484.9	442.1	408.6
30°	731.6	734.7	723.2	696.0	685.6	682.5	628.1	632.3	581.1	515.2	537.2
32.5°	901.9	907.1	885.2	874.8	800.5	772.3	738.9	739.9	677.2	666.8	632.3
35°	1108.9	1114.1	1085.9	997.0	984.5	944.8	926.0	852.8	841.3	787.0	787.0
37.5°	1245.8	1228.0	1201.9	1168.4	1175.7	1123.5	1062.9	1051.4	988.7	947.9	936.4
40°	1348.2	1353.4	1351.3	1334.6	1298.0	1248.9	1229.0	1200.8	1149.6	1108.9	1114.1
42.5°	1437.0	1447.5	1455.8	1431.8	1402.5	1381.6	1353.4	1335.6	1293.8	1242.6	1267.7
45°	1525.9	1534.2	1552.0	1537.3	1516.4	1513.3	1445.4	1462.1	1428.7	1387.9	1429.7
47.5°	1629.3	1637.7	1651.3	1652.3	1650.2	1606.3	1549.9	1575.0	1567.7	1518.5	1577.1
50°	1745.3	1746.4	1770.4	1787.1	1754.7	1720.2	1665.9	1678.4	1689.9	1652.3	1720.2
52.5°	1870.7	1884.3	1902.1	1913.6	1868.6	1851.9	1805.9	1803.8	1827.9	1789.2	1862.4
55°	2060.9	2067.2	2075.6	2079.8	2021.2	2027.5	1960.6	1954.3	1989.9	1948.1	2034.8
57.5°	2300.3	2317.0	2334.8	2326.4	2265.8	2260.6	2169.6	2139.3	2201.0	2175.9	2261.6
60°	2664.0	2679.6	2693.2	2702.6	2669.2	2649.3	2509.3	2487.3	2590.8	2539.6	2642.0
62.5°	3044.4	3061.1	3076.8	3142.6	3108.1	3083.1	2997.4	2997.4	3123.8	3086.2	3184.4
65°	3039.2	3063.2	3098.7	3185.5	3201.2	3189.7	3186.5	3226.2	3422.7	3410.2	3548.1
66°	2982.7	2999.4	3044.4	3132.2	3157.3	3158.3	3184.4	3235.6	3453.0	3439.4	3588.9
67.5°	2851.0	2871.9	2920.0	3024.5	3050.7	3070.5	3138.4	3179.2	3423.8	3415.4	3569.0
70°	2553.2	2562.6	2607.5	2716.2	2778.9	2768.5	2870.9	2886.6	3123.8	3154.1	3262.8
72.5°	1966.9	1954.3	2091.3	2241.7	2344.2	2304.5	2378.7	2382.8	2584.5	2581.4	2668.1
75°	1046.1	1053.5	1139.2	1339.8	1715.0	1726.5	1741.1	1740.1	1904.2	1903.1	1980.5
77.5°	661.6	679.3	711.7	772.3	960.4	1097.4	1150.7	1128.7	1200.8	1225.9	1265.6
80°	267.5	279.0	317.7	417.0	641.7	695.0	711.7	679.3	692.9	659.5	659.5
82.5°	88.8	89.9	102.4	129.6	329.2	459.8	473.4	400.3	394.0	382.5	382.5
85°	48.1	48.1	50.2	67.9	127.5	247.7	271.7	182.9	179.8	152.6	141.1
87.5°	4.2	5.2	4.2	11.5	19.9	37.6	43.9	46.0	52.3	59.6	48.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
2.5°	33.4	33.4	33.4	34.5	34.5	33.4	32.4	29.3	28.2	26.1	24.0
5°	38.7	37.6	35.5	34.5	33.4	32.4	32.4	30.3	26.1	23.0	19.9
7.5°	49.1	43.9	40.8	38.7	35.5	32.4	31.4	31.4	25.1	20.9	18.8
10°	73.2	71.1	54.3	47.0	42.8	39.7	37.6	38.7	31.4	25.1	24.0
12.5°	94.1	88.8	79.4	62.7	49.1	44.9	40.8	36.6	31.4	25.1	21.9
15°	118.1	105.6	96.1	85.7	70.0	57.5	50.2	47.0	38.7	32.4	28.2
17.5°	158.9	154.7	119.1	104.5	89.9	64.8	56.4	46.0	40.8	31.4	28.2
20°	198.6	182.9	155.7	136.9	117.1	90.9	72.1	60.6	49.1	41.8	37.6
22.5°	251.9	237.2	208.0	163.0	139.0	116.0	82.6	72.1	56.4	47.0	41.8
25°	340.7	292.6	258.1	226.8	189.2	152.6	104.5	78.4	62.7	52.3	46.0
27.5°	409.7	381.5	338.6	289.5	221.6	176.6	131.7	89.9	70.0	57.5	49.1
30°	556.0	461.9	447.3	379.4	290.5	210.1	150.5	103.5	73.2	58.5	50.2
32.5°	645.9	614.5	541.4	467.2	381.5	282.2	189.2	115.0	78.4	59.6	53.3
35°	805.8	729.5	690.8	613.5	496.4	361.6	226.8	136.9	78.4	60.6	52.3
37.5°	970.9	890.4	816.2	736.8	599.9	430.6	273.8	154.7	83.6	57.5	49.1
40°	1105.7	1028.4	927.0	849.7	686.6	502.7	330.3	166.2	80.5	55.4	44.9
42.5°	1258.3	1166.3	1055.6	971.9	787.0	600.9	376.2	195.4	82.6	53.3	40.8
45°	1401.5	1302.2	1190.4	1073.3	884.2	695.0	429.5	212.2	89.9	52.3	36.6
47.5°	1535.3	1430.7	1325.2	1161.1	1004.3	794.3	511.1	252.9	96.1	49.1	33.4
50°	1655.4	1556.2	1439.1	1253.1	1102.6	868.5	589.4	282.2	103.5	44.9	30.3
52.5°	1792.4	1689.9	1537.3	1350.3	1193.5	963.6	659.5	321.9	112.9	40.8	27.2
55°	1961.7	1833.1	1685.8	1510.2	1300.1	1085.9	738.9	359.5	125.4	36.6	24.0
57.5°	2171.7	2063.0	1912.5	1706.7	1460.0	1206.0	835.0	407.6	136.9	33.4	21.9
60°	2554.2	2413.1	2271.0	2028.5	1698.3	1398.3	951.0	470.3	155.7	30.3	19.9
62.5°	3096.6	2943.0	2713.1	2361.9	2008.7	1580.2	1065.0	533.0	176.6	27.2	18.8
65°	3441.5	3230.4	2923.2	2466.4	2122.6	1663.8	1074.4	532.0	178.7	25.1	16.7
66°	3490.6	3260.7	2930.5	2447.6	2105.9	1642.9	1049.3	524.6	175.6	23.0	15.7
67.5°	3485.4	3231.5	2876.1	2369.2	2022.3	1568.7	967.8	488.1	166.2	21.9	14.6
70°	3212.6	2959.7	2584.5	2098.6	1768.3	1355.5	831.9	419.1	142.1	18.8	12.5
72.5°	2668.1	2428.8	2089.2	1663.8	1425.5	1072.3	637.5	329.2	111.8	15.7	10.5
75°	1971.1	1742.2	1484.0	1155.9	938.5	678.3	397.1	213.2	73.2	12.5	8.4
77.5°	1230.1	1036.7	787.0	588.4	437.9	282.2	140.0	72.1	31.4	10.5	6.3
80°	649.0	528.8	381.5	275.9	202.8	126.5	64.8	33.4	16.7	8.4	4.2
82.5°	374.1	314.6	233.1	173.5	135.9	88.8	48.1	27.2	12.5	5.2	3.1
85°	134.8	116.0	129.6	98.2	74.2	49.1	34.5	21.9	8.4	4.2	3.1
87.5°	50.2	40.8	36.6	31.4	30.3	30.3	28.2	16.7	5.2	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
2.5°	23.0	20.9	20.9	19.9	19.9	18.8	18.8	18.8	18.8	18.8	19.9
5°	18.8	17.8	17.8	17.8	16.7	16.7	18.8	19.9	20.9	21.9	20.9
7.5°	18.8	17.8	16.7	17.8	19.9	15.7	12.5	11.5	10.5	11.5	11.5
10°	20.9	19.9	21.9	14.6	10.5	9.4	10.5	10.5	10.5	13.6	16.7
12.5°	20.9	21.9	16.7	14.6	14.6	13.6	16.7	14.6	14.6	14.6	14.6
15°	28.2	20.9	17.8	15.7	17.8	18.8	18.8	17.8	15.7	14.6	17.8
17.5°	24.0	21.9	20.9	25.1	23.0	19.9	17.8	19.9	20.9	18.8	16.7
20°	33.4	30.3	29.3	25.1	23.0	23.0	24.0	19.9	18.8	18.8	20.9
22.5°	35.5	32.4	33.4	31.4	30.3	24.0	23.0	21.9	21.9	19.9	19.9
25°	42.8	43.9	38.7	33.4	30.3	28.2	26.1	21.9	21.9	19.9	20.9
27.5°	46.0	42.8	38.7	36.6	33.4	27.2	26.1	23.0	20.9	20.9	18.8
30°	48.1	43.9	40.8	36.6	32.4	29.3	26.1	21.9	19.9	19.9	18.8
32.5°	51.2	46.0	38.7	34.5	31.4	26.1	25.1	20.9	18.8	16.7	16.7
35°	47.0	41.8	36.6	32.4	27.2	24.0	21.9	19.9	16.7	15.7	14.6
37.5°	41.8	36.6	32.4	28.2	25.1	21.9	19.9	16.7	14.6	13.6	12.5
40°	37.6	31.4	28.2	24.0	21.9	18.8	16.7	13.6	11.5	10.5	9.4
42.5°	33.4	27.2	24.0	20.9	17.8	15.7	13.6	10.5	8.4	7.3	6.3
45°	29.3	24.0	19.9	17.8	14.6	12.5	10.5	7.3	5.2	4.2	3.1
47.5°	26.1	20.9	17.8	14.6	12.5	9.4	7.3	4.2	3.1	2.1	1.0
50°	23.0	17.8	14.6	12.5	9.4	7.3	5.2	3.1	2.1	1.0	1.0
52.5°	19.9	15.7	13.6	10.5	8.4	5.2	3.1	2.1	1.0	1.0	0.0
55°	17.8	14.6	11.5	8.4	6.3	4.2	2.1	1.0	1.0	0.0	0.0
57.5°	16.7	13.6	9.4	6.3	5.2	3.1	2.1	1.0	1.0	0.0	0.0
60°	15.7	11.5	7.3	5.2	4.2	2.1	1.0	1.0	1.0	0.0	0.0
62.5°	14.6	9.4	6.3	4.2	3.1	2.1	1.0	1.0	1.0	1.0	0.0
65°	11.5	7.3	4.2	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
66°	10.5	6.3	4.2	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
67.5°	9.4	6.3	3.1	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
70°	7.3	4.2	3.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
72.5°	6.3	4.2	3.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
75°	5.2	3.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
77.5°	4.2	3.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
80°	3.1	3.1	2.1	2.1	2.1	2.1	1.0	2.1	2.1	1.0	1.0
82.5°	3.1	2.1	2.1	2.1	2.1	3.1	1.0	2.1	2.1	2.1	2.1
85°	3.1	2.1	2.1	3.1	3.1	3.1	1.0	3.1	3.1	3.1	2.1
87.5°	3.1	3.1	3.1	3.1	4.2	4.2	2.1	4.2	4.2	4.2	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	28.2	28.2	28.2	28.2	28.2
2.5°	19.9	20.9	20.9	20.9	20.9
5°	20.9	18.8	19.9	19.9	19.9
7.5°	12.5	12.5	12.5	12.5	12.5
10°	17.8	17.8	17.8	17.8	17.8
12.5°	15.7	16.7	16.7	16.7	16.7
15°	18.8	19.9	19.9	19.9	20.9
17.5°	16.7	16.7	18.8	17.8	18.8
20°	19.9	19.9	19.9	19.9	19.9
22.5°	17.8	17.8	19.9	20.9	20.9
25°	19.9	18.8	18.8	18.8	18.8
27.5°	18.8	19.9	19.9	19.9	19.9
30°	17.8	16.7	17.8	17.8	18.8
32.5°	16.7	16.7	16.7	16.7	16.7
35°	14.6	14.6	14.6	15.7	15.7
37.5°	11.5	11.5	12.5	12.5	12.5
40°	9.4	8.4	8.4	9.4	9.4
42.5°	6.3	5.2	5.2	5.2	5.2
45°	3.1	2.1	2.1	2.1	2.1
47.5°	1.0	1.0	1.0	1.0	1.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
66°	1.0	0.0	0.0	0.0	0.0
67.5°	1.0	0.0	0.0	0.0	0.0
70°	1.0	0.0	0.0	0.0	0.0
72.5°	1.0	1.0	0.0	0.0	0.0
75°	1.0	1.0	0.0	0.0	0.0
77.5°	1.0	1.0	1.0	0.0	0.0
80°	1.0	1.0	1.0	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	0.0
85°	2.1	2.1	2.1	2.1	0.0
87.5°	3.1	3.1	3.1	3.1	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)